

Temporary Construction Entrance

Definition: A stone stabilized pad located at points of vehicular ingress and egress on a construction site.

Purpose: To reduce the amount of mud transported onto public roads by motor vehicles or runoff.

Conditions Where Practice Applies: Wherever traffic will be leaving a construction site and move directly onto a public road or other paved area.

Planning Considerations

Construction entrances provide an area where mud can be removed from construction vehicle tires before they enter a public road. If the action of vehicle traveling over the gravel pad is not sufficient to remove the majority of the mud, then the tires should be washed before the vehicle enters a public road. If washing is used, provisions must be made to intercept the wash water and trap the sediment before it is carried off-site. Construction entrances should be used in conjunction with the stabilization of construction roads to reduce the amount of mud picked up by construction vehicles.

Design Criteria

1. ASTM D448 No. 2 or 3 or equivalent (2-3-inch stone) should be used.
2. The aggregate layer should be at least 6 inches thick. It must extend the full width of the vehicular ingress and egress area. The length of the entrance should be at least 50 feet.
3. If conditions on the site are such that the majority of the mud is not removed by the vehicles traveling over the gravel, then the tires of the vehicles should be washed before entering a public road. Wash water must be carried away from the entrance to a settling area to remove sediment. A wash rack may also be used to make washing more convenient and effective.
4. The entrance should be located to provide for maximum utility by all construction vehicles.
5. Filter fabric may be placed beneath the aggregate for additional stability in accordance with the fabric manufacturer's specifications.

Maintenance

The entrance shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing with 2-inch stone, as conditions demand, and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains should be removed immediately.

Specifications

The area of the entrance should be cleared of all vegetation, roots, and other objectionable material. The gravel shall be placed to the specified dimensions. Any drainage facilities required because of

washing should be constructed according to specifications. If wash racks are used, they should be installed according to manufacturer's specifications.